AEE/SSD/SBR97/15-16 BR 266/30-9-15

M. A. R. 57 (Rule 116)

Measurement Book

No. B

Serial No. 1st & Final Bill 31-7-15

Name of Work Improvements to Footpath in 2nd Crossroad & other roads near Srirama temple in Mallasandra, in ward No. 13, in SSD. 342408

Name of Contractor of nature of Agency From To

Date of commencement of work

| Date | Full description, etc. of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 1) WO NO : EE/DD/WO/338/14-15, Date : 31/3/2015 | | | | | | |
| | 2) Job Code Number : 013-15-000004 | | | | | | |
| | 3) A.S NO : CE/D2/AA/055/14-15, Dt : 29/10/2014 | | | | | | |
| | 4) T.S NO : EE/DD/TS/103/14-15, Dt : 29/10/2014 | | | | | | |
| | 5) Tender Notification NO : BBMP/EE/DD/Ten/03/2014-15, Dt : 31/10/2014 | | | | | | |
| | 6) Est Cost Rs. 15.00 Lakhs | | | | | | |
| | 7) Name of the Contractor : Sri Umesh Date of completion : | | | | | | 30.6.2015 |
| | 8) Date of ~~Recording~~ Submission of Bill : | 31-7-15 | | | | P. Code : 1771 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1) | Earthwork excavation by manual means in ordinary soil breaking an average horizontal throw upto 2 metres and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods Complete as per specifications with all leads and lifts etc., Complete as per specification & direction of Engineer-in-charge of the work. TMB Page No :- 342483/1 to 342485/2 | | | | vide @ Rs. | 167.06 Cum 75.60 | ⇒ 12,630=00 |
| 2) | Providing & laying in position plain cement concrete of mix M10 with cement @ 180 kg with 40 mm and down size graded granite metal coarse aggregates @ 0.86 cum & fine aggregates @ 0.58 cum, machine mixed, Concrete laid in layers, not exceeding 15 cm thick well compacted in foundation and plinth including cost of all materials, labour, Hire of machinery, curing etc, complete as per specification and direction of Engineer-in-Charge of the work. | | | | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

342409

Serial No. .....

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | TMB page no :- 342486/1 to 342487/2 | | | Qty | vide @ Rs. | 34.96 2486.35 | Cum ⇒ 86,923=00 |
| 3) | Removing B.S slab of drain & stacking with all leads and lifts etc, Complete as per specification & direction of Engineer in charge of the work. TMB page no :- 342488/1 to 342488/2 | | | Qty | vide @ Rs. | 200.32 58.32 | Sqm ⇒ 11,682=00 |
| 4 | Refixing stone slabs of drain & ~~stacking~~ pointing in cm 1:3 with all leads & lifts etc, Complete as per specification and direction of Engineer-in-charge of the work. Qty vide Item no. 3 | | | | ~~Qty~~ @ Rs. | 200.32 75.60 | Sqm ⇒ 15,144-00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 5) | Providing Granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete as per specification & direction of Engineer-in-charge of the work<br>TMB page no : 342488/2 | | | Qty | vide<br>@ Rs | 14.99<br>639.36 | Sqm<br>⇒ 9,581=00<br>9584=0 |
| 6) | Providing & Constructing precast Concrete solid blocks with Compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonary (Quoin, Jamb, Closer blocks) with solid Concrete blocks of size 40x20x20 cms Confirming to IS : 2185/1965 in superstructure including cost of materials, labour, charges, Scaffolding, curing Complete as per specification and direction of Engineer-in-charge of the work<br>TMB page no : 342489/1 to 342489/2 | | | Qty | vide<br>@ Rs. | 207.20<br>993.60 | Sqm<br>⇒ 2,05,874=00 |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

342410

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc. of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 7) | Providing and Constructing precast concrete solid blocks with Compressive strength not less than 3.5 mewton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with Solid cement blocks of size 40 x 15 x 20 cms Confirming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, Scaffolding, curing complete as per specifications with all leads and lifts etc, complete as per specification and direction of Engineer - in- charge of the work. TMB page NO : 342490/1 to 342490/2 | | | | Qty vide — @ Rs. | 207.20 sqm 940.68 | sqm ⇒ 1,94,909=00 |
| 3) | Providing flush pointing to Square rubble, course or uncoursed Stone masonry with cement mortar 1:3, 20 mm deep after raking joints to depth of 20mm nicely lining, including cost of materials, | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | labour, curing complete as per specification and direction of Engineer-in-charge of the work. TMB Page No :- 34249 1/1 to 34249 2/2 | | | Qty | vide @ Rs. | 207.20 sqm 91.80 ⇒ | 19,021=00 |
| 9) | Providing and laying in position plain cement concrete of mix M15 with cement @ 240 kgs, with 20 mm and d/s graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, Concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation, plinth and cills, including cost of materials, labour, Hom of machinery, curing complete as per specification and direction of Engineer-in-charge of the work. TMB Page no :- 34 2492/1 to 34 2492/2 | | | Qty | vide @ Rs. | 10.36 Cum 5327.64 ⇒ | 55,194= |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 342411

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date | Full description, etc. of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 10) | Providing & laying reinforced cement ~~pro~~ precast slabs of mix CC 1:1½:3 using 20mm & downsize graded granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & complete as per specification & direction of Engineer-in-charge of the work. | | | | | | |
| | | 1 | 23.70 | 0.90 | | 21.33 | |
| | | 1 | 22.00 | 0.90 | | 19.80 | |
| | | 1 | 19.30 | 0.90 | | 17.37 | |
| | | 1 | 12.40 | 0.90 | | 11.16 | |
| | | 1 | 28.00 | 0.90 | | 25.20 | |
| | | 1 | 1.50 | 0.90 | | 1.35 | |
| | | 1 | 30.00 | 0.90 | | 27.00 | |
| | | 1 | 30.00 | 0.90 | | 27.00 | |

Measurements checked and found correct

A.E. (D&R.)

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Measurements checked & found correct E.E. 3/10/20 | 1 | 30.00 | 0.90 | | 27.00 | |
| | | 1 | 2.50 | 0.90 | | ~~21.97~~ 2.25 | |
| | | 1 | 24.40 | 0.90 | | 21.96 | |
| | | 1 | 24.00 | 0.90 | | 21.60 | |
| | I Cr Rd Syracuse Temple Rd RK | 1 | 30.00 | 0.90 | | 27.00 | |
| | | 1 | 3.00 | 0.90 | | 2.70 | |
| | | 1 | 30.00 | 0.90 | | 27.00 | |
| | | 1 | 3.00 | 0.90 | | 2.70 | |
| | 2nd Cr RK Shelfield Rd | 1 | 16.50 | 0.90 | | 14.85 | |
| | | 1 | 26.50 | 0.90 | | 23.85 | |
| | | 1 | 25.00 | 0.90 | | 22.50 | |
| | | 1 | 7.60 | 0.90 | | 6.84 | |
| | | 1 | 25.00 | 0.90 | | 22.50 | |
| | | 1 | 8.00 | 0.90 | | 7.20 | |
| | | 1 | 10.80 | 0.90 | | 9.72 | |
| | | 1 | 16.70 | 0.90 | | 15.03 | |
| | | 1 | 6.30 | 0.90 | | 5.67 | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

342412

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Item | Full description, etc. of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | 1 | 14.00 | 0.90 | | 12.60 | |
| | | 1 | 15.00 | 0.90 | | 13.50 | |
| | Missed slab - | | | | | | |
| | Kurempu school road | 27 | 0.60 | 0.90 | | 14.58 | |
| | 3rd cross road | 30 | 0.60 | 0.90 | | 16.20 | |
| | Shetty halli main road | 28 | 0.60 | 0.90 | | 15.12 | |
| | | | | | | 482.58 | |
| | Measurement Checked & Level Unexceptionable | | | | | | |
| | | | | Qty limited to | Sch qty | 482.40 | Sqm |
| | | | | | @ Rs. | 1600=00 | ⇒ 7,71,840=00 |
| 11) | Disposal of debris to the final place of disposal with all lead & lift & as direction by the engineer in charge of the work, lead 3 Km a) Basic rate for lavalage of materials, as per Item no. 17.4 | KSRRB : M100 - 4.1 : | | | | | |

E.E. (D.D.)

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Rs. 2.00 Tonne/Km b) Average lead of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading & unloading Complete as per Specification and direction of Engineer-in-Charge of the work. | | | | | | |
| | Qty vide Item No. 1 | | | | | 167.06 Cum | |
| | | | | | | @ Rs. 75.47 ⇒ 12,608=00 | |
| | | | | | | Bill Amount of Rs. | 13,95,406=00 |
| | 1) The Contractor has done the work satisfactorily. | | | | | | |
| | 2) The Contractor has removed the Debris from workspot. | | | | | | |
| | ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಶಿಕ್ಷಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು. | | | | | | 31-7-15 |

M. A. R. 57 (Rule 116)

Measurement Book

No. B

342413

Serial No. .....

Name of Work .....

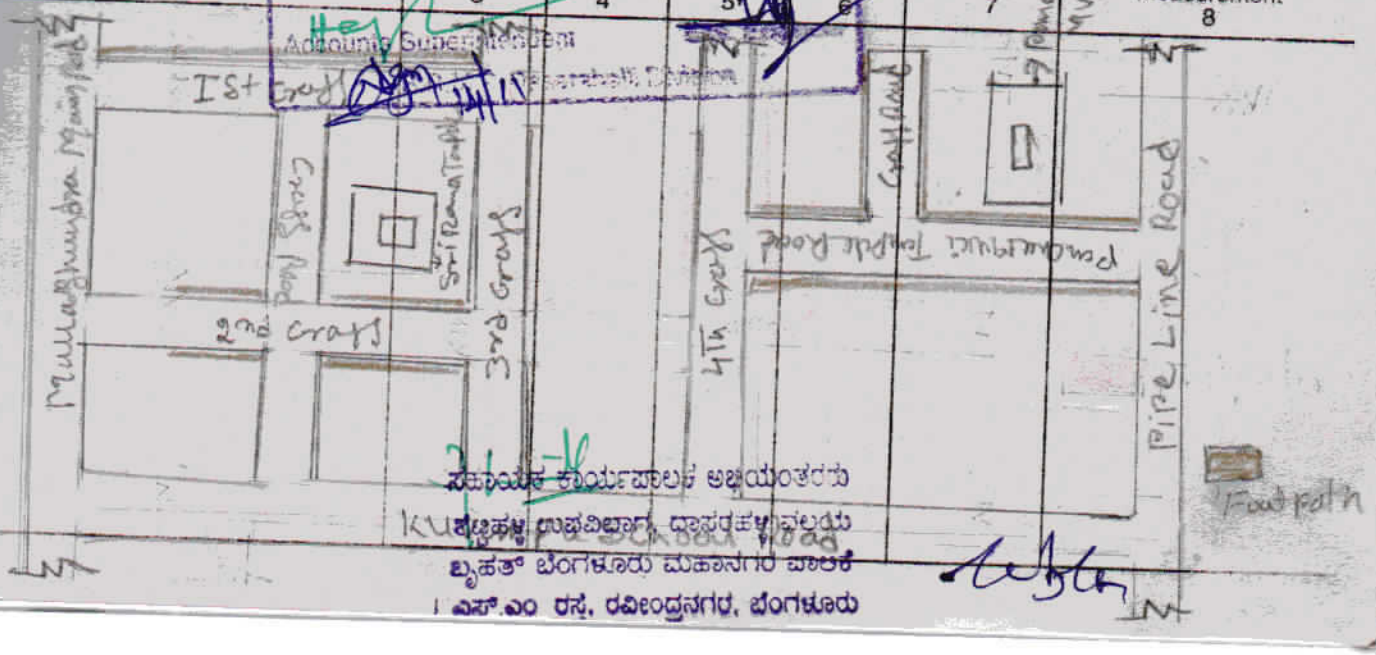
Name of Contractor or nature of Agency .....

Date of commencement of work .....

Audited and admitted for Rs. 1395406=00 From 1302456=00

by Cheque for Rs. 91950=00

| Date | Full description, etc. of work | Dimensions | | | | Contents | | Reference to last Measurement |
|---|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 |




ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿವಾಜಿನಗರ ಉಪವಿಭಾಗ, ದಾಪರಹಳ್ಳಿವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
1 ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು